

ABSTRACT OF THE DISCLOSURE

A system and method for canceling disturbance in a MEMS device. The system **200** includes a MEMS device **203**, which may include a substrate **205** and a plurality of individually movable MEMS elements **203-1** through **203-N**, and a control assembly **207**. The optical system **200** may be utilized in and/or form a portion of any optical apparatus employing an array of MEMS devices. The control assembly **207** uses feed-forward control signals to cancel disturbance in the MEMS device **203**, and more particularly, to cancel disturbance in the non-switched or static mirrors of the MEMS device **203** caused by switched or moving mirrors.

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